Quiz 2.10

Name

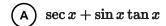
1.
$$\frac{d}{dx}(\cot x) =$$

- \bigcap $-\tan x$
- \bigcirc B $-\csc^2 x$
- \bigcirc $\csc x$
- \bigcirc $\sec^2 x$
- 2. If $f(x) = \sec x$, then $\lim_{x \to \frac{\pi}{3}} \frac{f(x) f\left(\frac{\pi}{3}\right)}{x \frac{\pi}{3}}$ is
- (A) 0
- \bigcirc $\operatorname{sec}\left(\frac{\pi}{3}\right)$
- \bigcirc $\sec\left(\frac{\pi}{3}\right)\tan\left(\frac{\pi}{3}\right)$
- **D** nonexistent
- 3. $\frac{d}{dx}(\cos x \tan x) =$



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- $\cos x$
- $-\sin x \sec^2 x$
- $\sin x$